3. $\begin{array}{r} 4 \\ \times 20 \\ \hline 80 \\ 80 \\ \hline 80 \end{array}$ There is 80 tooth Picks a easy way to find out higher numbers is to multiply the first number you got to the number your trying to ~~fig~~ find out eg.

#	#	—
1	4	—
2	8	—
3	12	—
20	80	—

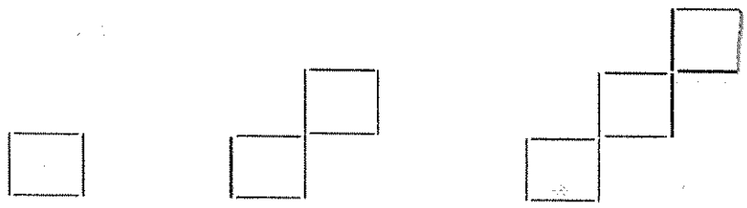
$\begin{array}{r} 6 \\ \times 20 \\ \hline 0 \\ 120 \\ \hline 120 \end{array}$ There is 120 toothpicks I know this because I multiplyed 6 x 20 (6 is the stalting number (1 6 =) And 20 is the number need to multiply) And got 120.

4 x 20 = 80 So Theres 80 toothpicks

Brooke

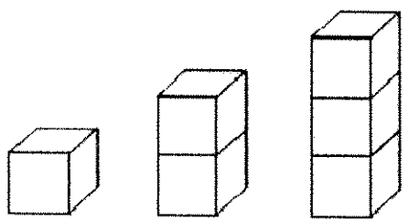
2.3.1: Pattern Practice (continued)

3. Use toothpicks:



Term Number	Number Tiles/ Picks/Cubes	Description
1	4	There is 4 tooth Picks/There getting bigger
2	8	There is 8 tooth picks/theres more tooth pick
3	12	There is 12 tooth picks/it multiplying by 4s
20	80	There is 80 tooth Picks/There was more tooth picks cause They are adding on
n	—	The tooth picks are
—	—	multiplying by 4's.

4. Determine the number of faces that you can see in each term:



Term Number	Number Tiles/ Picks/Cubes	Description
1	6	There is 6 faces on one cube.
2	12	There is 6 faces on one cube so theres 12 on two cubes
3	18	if theres 12 and faces on two cubes then theres 18 on two
20	120	I multiplyed 6 x 20 and got 120 so theres 120 faces on 20 cubes
n	—	The number of faces on the cube
—	—	are going up by 6's